

## RATE RTP REAL TIME PRICING PROGRAM

### APPLICABILITY

Applicable to Customers served under Rate DS, Rate DT, Rate DP or Rate TT. Service under the RTP Program will be offered on an experimental basis. The incremental cost of any special metering required for service under this Program beyond that normally provided under the applicable Standard Tariff shall be borne by the Customer. Customers must enter into a written service agreement with a minimum term of one year.

### PROGRAM DESCRIPTION

The RTP Program is voluntary and offers Customers the opportunity to manage their electric costs by either shifting load from higher cost to lower cost pricing periods and adding new load during lower cost pricing periods or to learn about market pricing. Binding Price Quotes will be sent to each Customer on a day-ahead basis. The program is intended to be bill neutral to each Customer with respect to their historical usage through the use of a Customer Baseline Load (CBL) and the Company's Standard Offer Rates.

### CUSTOMER BASELINE LOAD

The CBL is one complete year of Customer hourly load data that represents the electricity consumption pattern and level of the Customer's operation under the Standard Rate Schedule. The CBL is the basis for achieving bill neutrality for Customers billed under this Rate RTP, and must be mutually agreeable to both the Customer and the Company as representing the Customer's usage pattern under the Standard Rate Schedule (non-RTP). In the event that the Customer's electricity consumption pattern differs significantly from the established CBL, the Company may renegotiate the CBL with the Customer. Agreement on the CBL is a requirement for participation in the RTP Program.

### RTP BILLING

Customers participating in the RTP Program will be billed monthly based on the following calculation:

$$\text{RTP Bill} = \text{BC} + \text{PC} + \sum_{t=1}^n \{ (\text{CC}_t + \text{ED}_t + \text{ASC}_t) \times (\text{AL}_t - \text{CBL}_t) \}$$

Where:

BC = Baseline Charge

PC = Program Charge

$\text{CC}_t$  = Commodity Charge for hour  $t$

$\text{ED}_t$  = Energy Delivery Charge for hour  $t$

$\text{ASC}_t$  = Ancillary Services Charge for hour  $t$

$\text{AL}_t$  = Customer Actual Load for hour  $t$

$\text{CBL}_t$  = Customer Baseline Load in hour  $t$

$n$  = total number of hours in the billing period

$t$  = an hour in the billing period

### BASELINE CHARGE

The Baseline Charge is independent of Customer's currently monthly usage, and is designed to achieve bill neutrality with the Customer's standard offer tariff if no change in electricity usage pattern occurs (less applicable program charges). The Baseline Charge is calculated at the end of the billing period and changes each billing period to maintain bill neutrality for a Customer's CBL.

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in Case No. 2011-00428.

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*Julie S. Janson*  
Issued by Julie Janson, President

KENTUCKY  
PUBLIC SERVICE COMMISSION

JEFF R. DEROUEN  
EXECUTIVE DIRECTOR

TARIFF BRANCH

Effective: ~~December 28, 2011~~

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PURSUANT TO 807 KAR 5:011 SECTION 9 (1)

Duke Energy Kentucky, Inc.  
4580 Olympic Blvd.  
Erlanger, Kentucky 41018

KY. P.S.C. Electric No. 2  
Fourth Revised Sheet No. 99  
Cancels and Supersedes  
Third Revised Sheet No. 99  
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#### BASELINE CHARGE (Contd.)

The Baseline Charge will be calculated as follows:

$BC = (\text{Standard Bill @ CBL})$

Where:

$BC =$  Baseline Charge  
 $\text{Standard Bill @ CBL} =$  Customer's bill for a specific month on the applicable Rate Schedule including applicable Standard Contract Riders using the CBL to establish the applicable billing determinants.

The CBL shall be adjusted to reflect applicable metering adjustments under the Rate Schedule. All applicable riders shall be excluded from the calculation of the Baseline Charge.

#### PRICE QUOTES

The Company will send to Customer, within two hours after the wholesale prices are published by the Midwest Independent Transmission System Organization, Inc. ("Midwest ISO") each day, Price Quotes to be charged the next day. Such Price Quotes shall include the applicable Commodity Charge, the Energy Delivery Charge and the Ancillary Services Charge.

The Company may send more than one-day-ahead Price Quotes for weekends and holidays identified in Company's tariffs. The Company may revise these prices the day before they become effective.

The Company is not responsible for failure of Customer to receive and act upon the Price Quotes. It is Customer's responsibility to inform Company of any failure to receive the Price Quotes the day before they become effective.

#### COMMODITY CHARGE

The Commodity Charge is a charge for generation. The applicable hourly Commodity Charge (Credit) shall be applied on an hour by hour basis to Customer's incremental (decremental) usage from the CBL.

Charge (Credit) For Each kW Per Hour From The CBL:

For  $kWh_t$  above the  $CBL_t$ ,  $CC_t = MVG_t \times LAF$   
For  $kWh_t$  below the  $CBL_t$ ,  $CC_t = MVG_t \times 80\% \times LAF$

Where:

$LAF =$  loss adjustment factor  
 $= 1.0530$  for Rate TS  
 $= 1.0800$  for Rate DP  
 $= 1.1100$  for Rate DS  
 $MVG_t =$  Market Value Of Generation As Determined By Company for hour t

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### COMMODITY CHARGE (Contd.)

The MVG<sub>t</sub> will be based on the expected market price of capacity and energy for the next day. The expected market price will be based on forecasts of market conditions for the next day using publicly available market indices and/or bona fide third-party price quotes to establish the expected market price.

The kW per hour incremental or decremental usage from the CBL shall be adjusted to reflect applicable metering adjustments under the standard Rate Schedule.

### ENERGY DELIVERY CHARGE

The hourly Energy Delivery Charge is a charge for using the transmission and distribution system to deliver energy to the Customer. The applicable hourly Energy Delivery Charge (Credit) shall be applied on a hour by hour basis to Customer's incremental (decremental) usage from the CBL.

Charge (Credit) For Each kW Per Hour From The CBL

Secondary Service .....	\$0.006053 per kW Per Hour
Primary Service .....	\$0.005540 per kW Per Hour
Transmission Service .....	\$0.002008 per kW Per Hour

The kW per hour incremental or decremental usage from the CBL shall be adjusted to reflect applicable metering adjustments under the standard Rate Schedule.

### ANCILLARY SERVICES CHARGE

The hourly Ancillary Services Charge is a charge for:

- Scheduling, System Control & Dispatch
- Reactive and Voltage Control
- Regulation and Frequency Response
- Spinning Reserve
- Supplemental Reserve

The applicable hourly Ancillary Services Charge (Credit) shall be applied on an hour by hour basis to Customer's incremental (decremental) usage from the CBL

Charge (Credit) For Each kW Per Hour From The CBL

Secondary Delivery.....	\$0.000760 per kW Per Hour
Primary Delivery.....	\$0.000740 per kW Per Hour
Transmission Delivery .....	\$0.000721 per kW Per Hour

The kW per hour incremental or decremental usage from the CBL shall be adjusted to reflect applicable metering adjustments under the standard Rate Schedule.

### APPLICABLE RIDERS

The following riders are applicable pursuant to the specific terms contained within each rider:

- Sheet No. 78, Rider DSMR, Demand Side Management Rider
- Sheet No. 81, Rider MSR-E, Merger Savings Credit Rider – Electric
- Sheet No. 82, Rider PSM, Profit Sharing Mechanism

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#### PROGRAM CHARGE

Company will be provide Internet based communication software to be used to provide Customer with the Price Quotes. Customer will be responsible for providing its own Internet access. A charge of \$183.00 per billing period per site shall be added to Customer's bill to cover the additional billing, administrative, and cost of communicating the hourly Price Quotes associated with the RTP Program.

Customer may purchase from either Company or any other third-party suppliers any other necessary equipment or software packages to facilitate participation in this program. While Customers are encouraged to use such equipment or software packages to maximize benefits under this Program, it is not a requirement for program participation. It is Customer's responsibility to ensure the compatibility of third-party equipment or software packages with any Company owned equipment or software packages.

#### SPECIAL TERM AND CONDITIONS

Except as provided in this Rate RTP, all terms, conditions, rates, and charges outlined in the Standard Rate Schedule will apply. Participation in the RTP Program will not affect Customer's obligations for electric service under the Standard Rate Schedule.

Customers who terminate their service agreement under this Rider RTP after the initial one (1) year term shall be ineligible to return to the program for twelve (12) months from the termination date.

The primary term of service is one (1) year consisting of a consecutive twelve month period.

Customers returning to the standard tariff shall have any historical demands in excess of the CBL, waived for purposes of calculating applicable billing demands.

The supplying and billing for service and all conditions applying thereto, are subject to the jurisdiction of the Kentucky Public Service Commission, and to Company's Service Regulations currently in effect, as filed with the Kentucky Public Service Commission.

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